

**Notice of Allowability**

Application No.

10/755,449

Applicant(s)

VASEKIN, VLADIMIR

Examiner

Benjamin P. Geib

Art Unit

2181

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment received 11/09/2007.
2. ☒ The allowed claim(s) is/are 1-4, 9-14, 19-24, 29 and 30.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
ALFORD KINDRED  
SUPERVISORY PATENT EXAMINER

### REASONS FOR ALLOWANCE

1. The prior art of record including the disclosures of Fraser (U.S. Patent No. 6,907,598), Fraser ("An Instruction for Direct Interpretation of LZ77-compressed Programs"), Delvaux et al. (U.S. Patent No. 6,851,046), and Hennessy et al. ("Computer Architecture: A Quantitative Approach") alone or in combination have not taught or render obvious controlling the execution of a block of instructions using two separate counter registers as described by the following limitations of independent claims 1, 11, and 21:

(claim 1) "wherein when executing said block of two or more program instructions, said program counter register is configured to store an address indicative of a memory location where said execute block instruction is stored and said block counter register is configured to store a block count value indicative of said program instruction location of a program instruction being executed within said block of two or more program instructions corresponding to said execute block instruction";

(claim 11) "wherein when executing said block of two or more program instructions, said program counter register stores an address indicative of a memory location where said execute block instruction is stored and said block counter register stores a block count value indicative of said program instruction location of a program instruction being executed within said block of two or more program instructions corresponding to said execute block instruction";

(claim 21) "wherein said one or more execute block instructions is operable to cause, during execution of said block of two or more program instructions, said program counter register to store an address indicative of a memory location where said execute block instruction is stored and to cause said block counter to store a block count value indicative of said program instruction location of a program instruction being executed within said block of two or more program instructions corresponding to said execute block instruction".

2. Claims 2-4, 9, and 10 depend from claim 1 and are considered allowable for at least the reasons noted above with respect to claim 1.

3. Claims 12-14, 19, and 20 depend from claim 11 and are considered allowable for at least the reasons noted above with respect to claim 11.

4. Claims 22-24, 29, and 30 depend from claim 21 and are considered allowable for at least the reasons noted above with respect to claim 21.

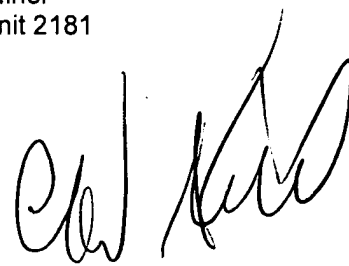
5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin P. Geib whose telephone number is (571) 272-8628. The examiner can normally be reached on Mon-Fri 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alford Kindred can be reached on (571) 272-4037. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Benjamin P Geib  
Examiner  
Art Unit 2181

A handwritten signature in black ink, appearing to read 'Alford Kindred', is written over the printed name.

ALFORD KINDRED  
SUPERVISORY PATENT EXAMINER